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No. 0000033



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25 November 1985

Mr. Gene Wong
Remedial Project Manager
U.S. Environmental Protection Agency
230 South Dearborn Street
Chicago, Illinois 60604

Subject: Phased RI for Skinner Landfill Site
Work Assignment No: 31-5L73.0
EPA Contract No: 68-01-6939
Document No: 130-WP1-EP-BYFP-1

Dear Mr. Wong:

This letter is in response to our meeting of 13 November 1985. At that meeting we discussed the development of a phased approach for the RI at the Skinner Landfill site. The reason for using a phased approach for the RI is to allow the project to proceed in spite of uncertainty with respect to future funding tied to re-authorization of CERCLA. Thus the objective of the meeting was to identify certain RI tasks and levels of effort for those tasks that would provide a complete work product (i.e. report) within the available funds. This letter summarizes WESTON's recommendations for Phase I of the Skinner RI, as presented to you and Mr. Thomas Ontko, Ohio EPA (by telephone) at the meeting.

From existing information, we know that there are hazardous materials buried on-site in the Lagoon area and that there may be other hazardous materials buried in the Central Shoulder or Landfill areas. The primary unknowns are:

- The exact nature and volume of identified and potential sources (source characterization).
- The extent to which hazardous contaminants are migrating within or away from the site (site characterization).
- The degree of hazard posed by the site to human health or the environment (endangerment assessment).



Mr. Gene Wong

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Of these unknowns, WESTON believes that site characterization is the most logical objective of an initial RI phase: we know there is at least one source; but if there are no contaminants migrating away from the source, there is less urgency to fully characterize it and minimal endangerment to assess. Therefore, the purposes of Phase I of the RI at the Skinner site are to characterize the physical systems and migration pathways at the site, and to assess the presence, extent and migration of hazardous contaminants within and away from the site.

The proposed scope of Phase I of the Skinner RI is summarized in Table 1 which presents -- by task -- the work items included in Phase I; the work items postponed until Phase II; the cost of the revised Phase I task; the reduction in task cost from Volume II of the Work Plan; and the rationale for phase assignment or cost change. As indicated in the table, the proposed Phase I has a marked up cost of \$287,762 or \$316,538 with fees. When combined with Work Plan phase costs of \$111,204 or \$122,324 with fees, the total cost with fees is within the funds currently available to the U.S. EPA for this project.

We wish to make clear to you at this time that the cost of Phase II of the RI will be greater than the reductions from Volume II presented in Table 1. The primary reason for this is that remobilizations will be needed for any field work performed. The cost of Phase II is therefore dependent on when it is authorized with respect to then-occurring Phase I activities. This cost can only be developed at that time.

If you have any questions or require additional information, please contact me or Mr. Edward Need.

Very truly yours,

ROY F. WESTON, INC.

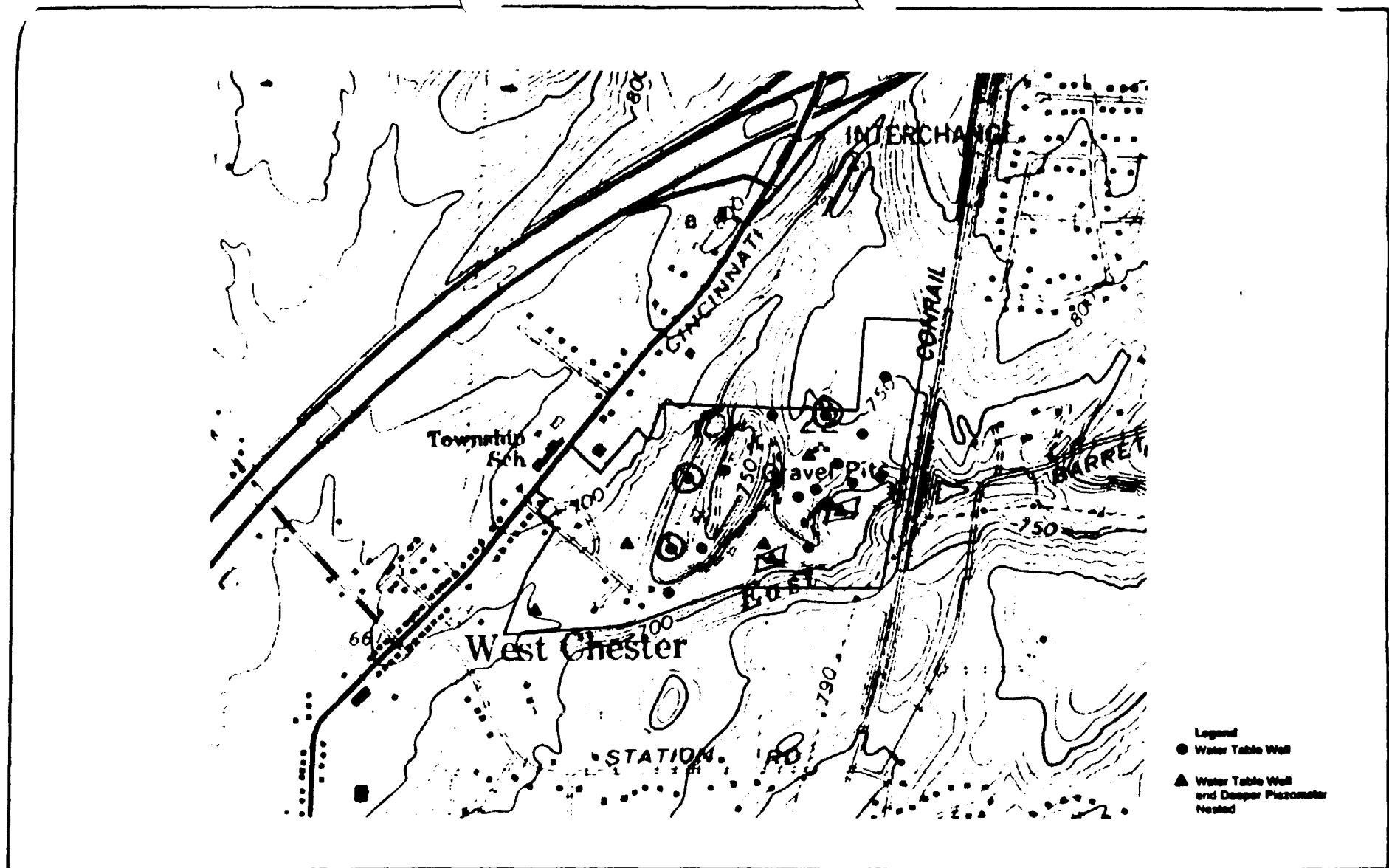
R. Michael Bort, P.E.
Site Manager

RMB:slr

cc: J. Hawthorne, REM II
Regional Manager
J. Curtis, REM II Annandale
G. Johnson, Weston

TABLE 1
SUMMARY OF RI PHASE INFORMATION

Task No.	Activities Included in Phase I	Activities Postponed to Phase II	Cost of Phase I	Reduction from Volume II	Explanation
1) Subcontracting Mobilization	As described in Work Plan.	Disposal of RI water.	\$19,323	\$5,000	Store RI waste on-site until all RI field work has been performed.
2) Study Areas Surveys	As described in Work Plan.	None.	47,017	0	Would include technical memos.
3) Source Characterization	None.	As described in Work Plan.	0	69,202	See text of letter.
4) Site Characterization	Installation of 23 wells; all other subtasks as described in Work Plan.	Installation of 7 wells not critical to Phase I objectives as shown in Figure 1.	158,208	39,557	Field program reduced from 8 to 6 weeks; reduced field labor, equipment and travel expenses and subcontract costs (assume 20%).
5) Bench Scale Testing	None.	As described in Work Plan.	0		Should be done only after all RI field work has been performed.
6) Data Validation	As described in Work Plan.	None. (Additional effort may be needed in Phase II.)	4,072	0	
7) Contaminant Pathway Evaln	As described in Work Plan.	None. (Additional effort) may be needed in Phase II.)	8,016	2,004	Less field and analytical data to evaluate (assume 20%).
8) Endangerment Assessment	None.	As described in Work Plan.	0	22,316	Should be done only after all RI field work has been performed.
9) RI Report	As described in Work Plan.	None. (Additional effort may be needed in Phase II.)	11,952	7,968	Less field, analytical and no endangerment data to incorporate (assume 40%).
10) EPA Designated Activities	As described in Work Plan.	None as currently designated.	0	0	
11) Community Relations	As described in Work Plan.	None. (Additional effort may be needed in Phase II.)	4,766	0	
12) Quality Assurance	As described in Work Plan.	None. (Additional effort may be needed in Phase II.)	4,658	0	
13) Tech & Finl Management	As described in Work Plan.	None. (Additional effort may be needed in Phase II.)	29,750	9,917	Reflecting reduced scope of other tasks (assume 25%).
Totals (without fee)			\$287,762	\$170,628	



MONITORING WELL LOCATIONS

○ Wells perforated - rely on surface water elevation data to construct water table map. (3)

▢ Wells perforated - needed only to confirm creek as groundwater discharge barrier. (4)

FIGURE 1